

ABSTRACT OF THE DISCLOSURE

A method and associated structures for protected transmission of data (D0-D4), whose coding ("S", "0"-"F") is represented by a sequence (FR0-FR4) having a predetermined number of on and off values (Z1, Z0). Therein, a count (C), which represents the predetermined number, is formed by changing the counting direction (F, R) after each on-value and by incrementing or decrementing the count (C) for each off-value. An error information (F1, F2) is generated, if a first final value (EC), which is transmitted, together with the data, as a coded sequence (SIG) of the count (C), differs from a second final value (EC1, EC2). Like the count (C), the second final value (EC1, EC2) is formed from the transmitted sequence (SIG). The method can be used for identification systems (IS), for mobile data storage media (DT), and for readers/writers (SLG). A simple upward and downward counter (CNT) makes it possible to identify data transmission errors quickly and with a high degree of confidence. The counter (CNT) may be a simple software program or an electronic circuit, such as a binary cycle counter, which has low circuitry complexity.